Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/27/2019 11:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123861	-1	2.68	123864	2.70
Blue	F	SSC	125000	122950	-2	4.46	123744	4.52
Blue	E	FITC	16694	16231	-3	4.29	377	23.26
Blue	D	PE	32792	32289	-2	3.65	713	16.64
Blue	B	PerCP-Cy5-5	44451	44347	-1	4.93	1211	23.41
Blue	A	PE-Cy7	33645	33324	-1	7.41	616	47.76
Red	C	APC	47008	46058	-3	3.20	1778	13.63
Red	A	APC-Cy7	32298	31617	-3	3.09	793	14.03
Violet	B	V450	8961	8609	-4	5.19	506	19.38
Violet	A	V500	32726	31398	-5	4.86	768	13.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20262	3.86	608	-5	N/A	N/A	Pass
Blue	F	SSC	55528	3.95	578	10	N/A	N/A	Pass
Blue	E	FITC	62	81.19	565	2	0.0145	245	Pass
Blue	D	PE	142	58.69	569	3	0.1319	313	Pass
Blue	B	PerCP-Cy5-5	223	58.91	674	3	0.0073	109	Pass
Blue	A	PE-Cy7	118	122.31	728	2	0.0090	32	Pass
Red	C	APC	405	29.21	614	1	0.0186	133	Pass
Red	A	APC-Cy7	196	32.03	586	1	0.0047	1271	Pass
Violet	B	V450	78	87.70	481	-5	0.0189	1980	Pass
Violet	A	V500	109	58.41	491	-5	0.0171	3547	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.68	-32.49	1.10
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	16.93	13.60 - 20.40	N/A	N/A	29.53	29.96	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9672

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments